

Claims:

- 1 1. A device for removably mounting a hard disk drive in a memory
2 storage housing, comprising:
3 a carrier for holding a hard disk drive, the carrier being removably
4 mountable in a memory storage device housing; and
5 a heat sink mounted on the carrier.

1 2. A device as set forth in Claim 1, wherein the carrier includes a face
2 and a fan mounted on the face of the carrier.

1 3. A device as set forth in Claim 2, wherein the carrier includes an air
2 filter mounted on the face to filter air.

1 4. A device as set forth in Claim 3, wherein the carrier includes an air
2 filter cover removably mounted on the face to facilitate removal and replacement
3 of the air filter.

1 5. A device as set forth in Claim 1, wherein the carrier includes lateral
2 rails that slidably mount the carrier in the memory storage housing.

1 6. A device as set forth in Claim 1, wherein the carrier includes a face
2 and a handle mounted on the face of the carrier.

1 7. A device for removably mounting a hard disk drive in a memory
2 storage housing, comprising:
3 a carrier for holding a hard disk drive, the carrier being removably
4 mountable in a memory storage device housing; and
5 fins mounted on the carrier.

1 8. A device as set forth in Claim 7, wherein the heat sink includes
2 fins, the carrier includes a face and a fan mounted on the face of the carrier, the
3 fins align with respect to the fan to optimize convective cooling.

1 9. A device as set forth in Claim 8, wherein the carrier includes an air
2 filter mounted on the face to filter air.

1 10. A device as set forth in Claim 9, wherein the carrier includes an air
2 filter cover removably mounted on the face to facilitate removal and replacement
3 of the air filter.

1 11. A device as set forth in Claim 10, wherein the carrier includes
2 lateral rails that slidably mount the carrier in the memory storage housing.

1 12. A device as set forth in Claim 11, wherein the carrier includes a
2 face and a handle mounted on the face of the carrier.

1 13. A device for removably mounting a hard disk drive in a memory
2 storage housing, comprising:
3 a carrier for holding a hard disk drive, the carrier being removably
4 mountable in a memory storage device housing; and
5 a heat sink slidably mounted on the carrier.